

Karlsruhe Institute of Technology (KIT) is the result of the merger of university Karlsruhe and research center Karlsruhe. It is a unique institution in Germany, which combines the mission of a university with that of a large-scale research center of the Helmholtz Association. With 9400 employees and an annual budget of EUR 800 Millions, KIT is one of the largest research and education institutions worldwide.

Our Institute of Meteorology and Climate Research - Atmospheric Environmental Research Division (IMK-IFU) in Garmisch-Partenkirchen (Germany) invites applications for a 3 years position as

**Postdoctoral Researcher (f/d/m)
in the field of urban micrometeorology**

Overview

We are seeking a postdoctoral researcher in the field of urban micrometeorology. The position will be held within the Urban and Ecoclimatology Group at the Karlsruhe Institute of Technology (KIT), located at KIT's 'Campus Alpin' in Garmisch-Partenkirchen. Specifically, we seek to employ a postdoctoral researcher with experience in micrometeorological measurement techniques in urban environments, e.g. Doppler-lidar, eddy-covariance and scintillometry. This position will contribute to the European-Union-funded collaborative project 'Pilot Application in Urban Landscapes – towards integrated city observatories for greenhouse gases' (PAUL) coordinated by the Integrated Carbon Observation System (ICOS).

This position is available from **1 January 2022 for three years**. The work location is at KIT's attractive Campus Alpin in Garmisch-Partenkirchen, Germany. Salary will be commensurate with the public service tariff at TV-L EG13, depending on qualifications and experience.

Qualifications

As a successful candidate, you hold a PhD degree in a relevant discipline of natural science or engineering, with documented strong quantitative skills in conducting micrometeorological measurements, ideally in urban environments, and in the analysis of turbulence time and space series, using advanced statistical techniques, in order to characterize the relevant scales and transport processes in the atmospheric boundary layer. Programming skills are expected to include a script language for the analysis of large data sets, such as Python, R or Matlab. You will need to have proficiency in the English language, both spoken and in writing and preferably a working knowledge of German. Further information can be obtained from **Dr. Matthias Mauder** (matthias.mauder(at)kit.edu) and **Prof. Hans Peter Schmid** (hape.schmid(at)kit.edu).

Applications

Applications should be sent by email to **Monika Liebl** (monika.liebl(at)kit.edu) by **Friday 17 September 2021**. Applications should be submitted within a single PDF document that includes your CV, publications list (with citations), a short (1-2 page) letter of motivation and contact details for 2 referees. The motivation letter should clearly state how your research interests relate to the job specifications provided above. Please also indicate where you learned about this job opportunity. Applications that are incomplete or do not address these criteria will not be considered.

KIT strives to achieve gender balance at all levels of employment. We therefore particularly encourage female candidates to apply for this position. With appropriate qualifications, applications from persons with handicaps are treated preferentially.